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Report No.: LCSA030323121R

Verification Report

| Applicant | : | Shenzhen Shangpin Youbo Technology Co., Ltd |
|-----------|---|--|
| Address | : | 102, Building D, Baoying Industrial Zone, Longxi Community, Longgang Street, Longgang District, Shenzhen City, Guangdong Province |

Report on the submitted samples said to be:

| Sample Name(s) : | lamp for Inflatable model |
|------------------------|---|
| Trade Mark : | SONPUBO |
| Part No. : | B2 lamp |
| Sample Received Date : | March 14, 2023 |
| Testing Period : | March 14, 2023 ~ March 17, 2023 |
| Date of Report : | March 17, 2023 |
| Testing Location : | 901, No.40 Building, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, Guangdong, China |
| Results : | Please refer to next page(s). |

| TEST REQUEST | | CONCLUSION |
|------------------------------------|---|----------------|
| As specified by client, based on t | he performed tests on submitted sample, the result of | |
| Lead(Pb), Cadmium(Cd), Mercu | ry(Hg), Hexavalent Chromium(Cr(VI)), PBBs, PBDE | Es, |
| Dibutyl Phthalate(DBP), Butylbe | nzyl Phthalate(BBP), Di-2-ethylhexyl | PASS |
| Phthalate(DEHP) and Diisobutyl | phthalate(DIBP) content comply with the limits set b | y |
| RoHS Directive 2011/65/EU wit | h amendment (EU) 2015/863. | 运 现检测股份 |
| LCS Testing | LCS Testing | ST LCS Testing |

Signed for and on behalf of LCS

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Results:

A. EU RoHS Directive 2011/65/EU and its amendment directives

<u>Test method:</u> With reference to IEC 62321-1:2013&IEC 62321-2:2021&IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

| Cl. | Correct la | Results | | | | | | Date of sample |
|---------------|----------------------------|---------|----|----|-----|------|-------|----------------|
| Sample No. | Sample Description | Cd | Pb | Hg | Cr♥ | Br▼ | | submission/ |
| | Description | Cu | | | | PBBs | PBDEs | Resubmission |
| 1 | White plastic wire leather | BL | BL | BL | BL | BL | BL | 2023-03-14 |
| 2 | Gold metal wire | BL | BL | BL | BL | / | / | 2023-03-14 |
| 3 | Clear plastic case | BL | BL | BL | BL | BL | BL | 2023-03-14 |
| 4 | White plastic case | BL | BL | BL | BL | BL | BL | 2023-03-14 |
| 5 | Clear plastic sheet | BL | BL | BL | BL | BL | BL | 2023-03-14 |
| 6 | Yellow lamp beads | BL | BL | BL | BL | BL | BL | 2023-03-14 |
| 7 | Black resistance | BL | BL | BL | BL | BL | BL | 2023-03-14 |
| 8 | Solder | BL | BL | BL | BL | / | / | 2023-03-14 |
| 9 | Black resistance | BL | BL | BL | BL | BL | BL | 2023-03-14 |
| 10 | White PCB board | BL | BL | BL | BL | BL | BL | 2023-03-14 |









BC

Note:

1. Results were obtained by XRF for primary screening, and further chemical testing by ICP(for Cd, Pb, Hg), UV-Vis(for Cr(VI)) and GC-MS(for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013(Unit: mg/kg).

| Element | Polymers | Metals | Composite material | |
|---------|---|--|---|--|
| Cd | BL≤(70-3σ) <x<(130+3σ)≤ol< td=""><td>BL≤(70-3σ)<x<(130+3σ)≤ol< td=""><td>LOD<x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<></td></x<(130+3σ)≤ol<></td></x<(130+3σ)≤ol<> | BL≤(70-3σ) <x<(130+3σ)≤ol< td=""><td>LOD<x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<></td></x<(130+3σ)≤ol<> | LOD <x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<> | |
| Pb | BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<></td></x<(1300+3σ)≤ol<> | BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<> | BL≤(500-3σ) <x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<> | |
| Hg | BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<></td></x<(1300+3σ)≤ol<> | BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<> | BL≤(500-3σ) <x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<> | |
| Cr | BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ)<x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<></td></x<> | BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<> | BL≤(500-3σ) <x< td=""></x<> | |
| Br | BL≤(300-3σ) <x< td=""><td>N/A</td><td>BL≤(250-3σ)<x< td=""></x<></td></x<> | N/A | BL≤(250-3σ) <x< td=""></x<> | |

Remark:

- BL= Below Limit
- OL= Over Limit
- X= The range of needing to do further testing
- 3σ = The reproducibility of analytical instruments
- N/A= Not applicable
- LOD= Detection limit
- 2. The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- 3. The maximum permissible limit is quoted from the document RoHS Directive 2011/65/EU with amendment (EU) 2015/863.
- 4. ▼=For restricted substances PBBs and PBDEs, the results show the total Br content, the restricted substance was Cr(VI), and the results showed the total Cr content.





| RoHS Restricted Substances | Maximum Concentration Value (mg/kg) (by weight in homogenous materials) |
|--------------------------------------|--|
| Cadmium(Cd) | 100 |
| Lead(Pb) | 1000 |
| Mercury(Hg) | 1000 |
| Hexavalent Chromium(Cr(VI)) | 1000 |
| Polybrominated biphenyls(PBBs) | 1000 |
| Polybrominated diphenylethers(PBDEs) | 1000 |
| Dibutyl Phthalate(DBP) | 1000 |
| Butylbenzyl Phthalate(BBP) | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) | 1000 LOS TO |
| Diisobutyl phthalate(DIBP) | 1000 |

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes. The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.



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B. EU RoHS Directive 2011/65/EU with amendment (EU) 2015/863 on Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), PBBs, PBDEs, DBP, BBP, DEHP & DIBP content

Test method:

Lead(Pb) & Cadmium(Cd) Content:

With reference to IEC 62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma optical emission spectrometer (ICP-OES) or atomic absorption spectrometer (AAS).

Mercury(Hg) Content:

With reference to IEC 62321-4:2013+AMD1:2017 CSV, by acid digestion and analysis was performed by inductively coupled plasma optical emission spectrometer (ICP-OES).

Hexavalent Chromium(Cr(VI)) Content:

With reference to IEC 62321-7-1:2015 or IEC 62321-7-2:2017, analysis was performed by UV-visible spectrophotometer (UV-Vis).

PBBs & PBDEs Content:

With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

Phthalates(DBP, BBP, DEHP & DIBP) Content:

With reference to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

1) The test results of Phthalates(DBP, BBP, DEHP & DIBP)

| Tested Items | MDL (mg/kg) | Res (mg | Limit | |
|---|----------------|------------|-------|---------|
| | | 5 | 10 | (mg/kg) |
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | N.D. | 1000 |

| Tested Items | MDL (mg/kg) | Results (mg/kg) 1+3+4+6+7+9 | Limit (mg/kg) |
|---|----------------|--|------------------|
| Dibutyl Phthalate(DBP) Content | 50 | N.D. | 1000 |
| Butylbenzyl Phthalate(BBP) Content | 50 | N.D. | 1000 |
| Di-(2-ethylhexyl) Phthalate(DEHP) Content | 50 | N.D. | 1000 |
| Diisobutyl phthalate(DIBP) Content | 50 | N.D. | 1000 |





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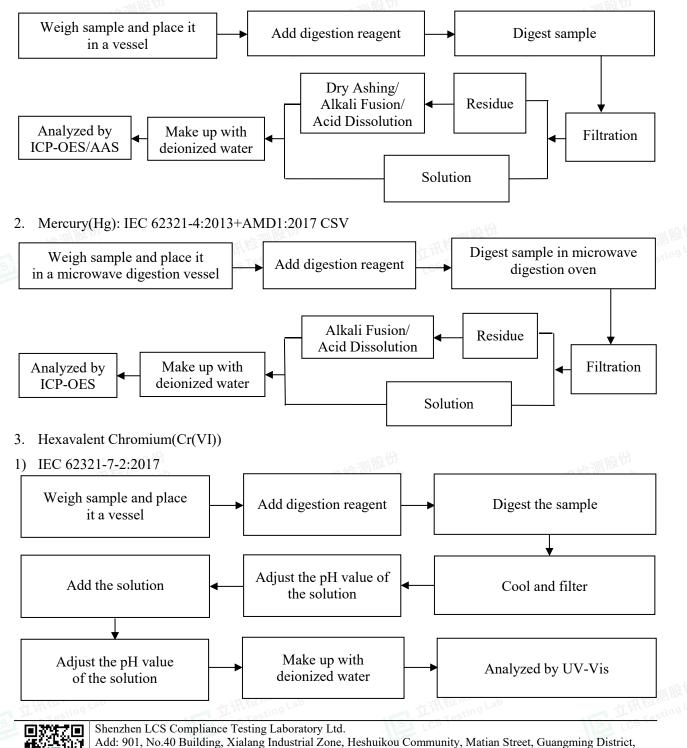
Report No.: LCSA030323121R

Note:

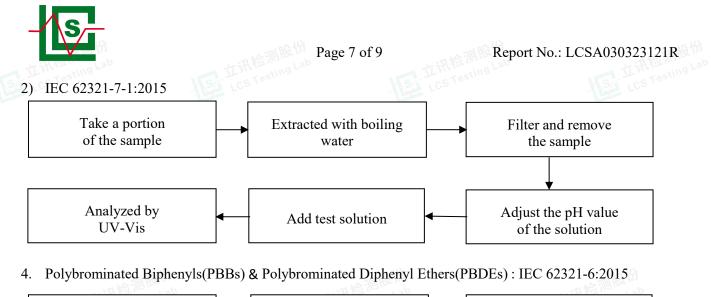
- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = milligrams per kilogram
- According to customer's requirement, only the appointed materials have been tested.

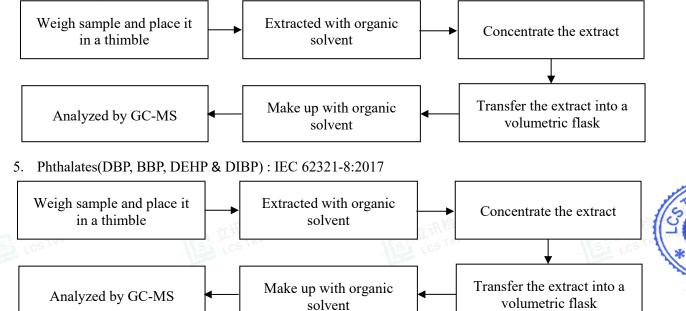
Test Process

1. Lead(Pb) & Cadmium(Cd): IEC 62321-5:2013



Shenzhen, Guangdong, China Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com Scan code to check authenticity









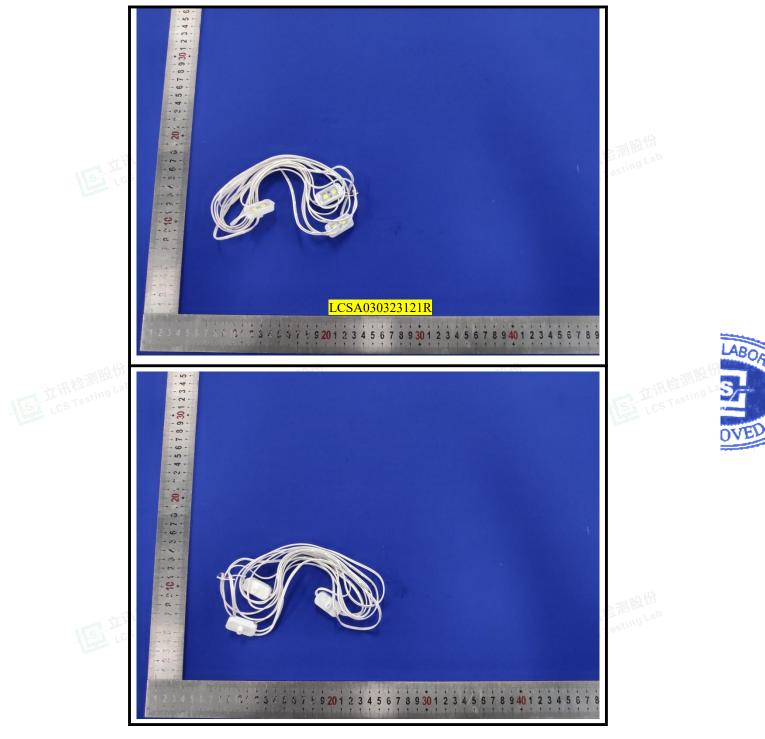




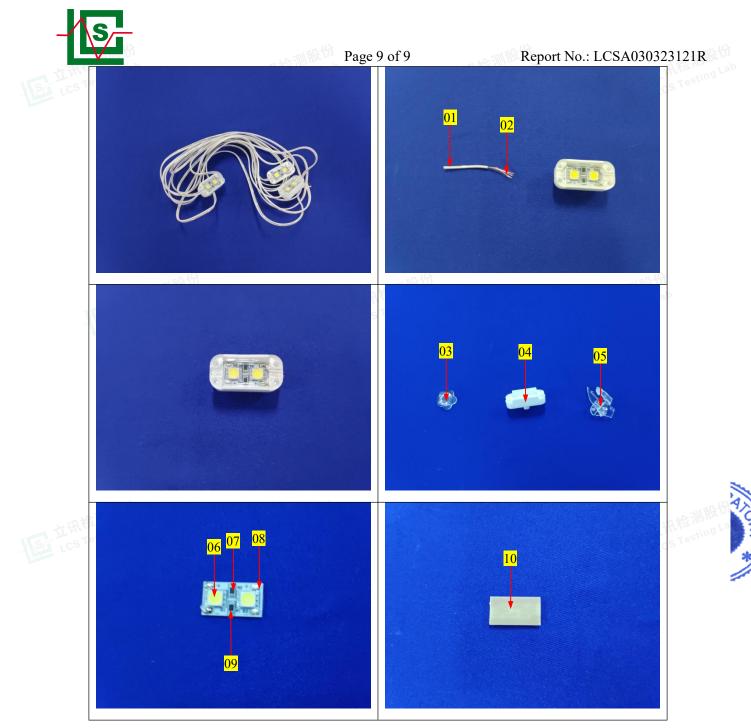
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The photo(s) of the sample







Statement:

- 1. The test report is invalid without the signature of the approver and the special seal for the company's report;
- 2. The company name, address and sample information shown on the report were provided by the applicant who should be responsible for the authenticity which are not verified by LCS;
- 3. The test results in this report are only responsible for the tested samples;
- 4. Without written approval of LCS, this report can't be reproduced except in full;
- 5. In case of any discrepancy between the corresponding Chinese and English contents in the test report, the Chinese version shall prevail.

*** End of Report ***

